

Response
Application No. 10/601,663
Attorney Docket No. 030753

REMARKS

Claims 1-10 are pending in the present application. By this Amendment, the specification has been amended to correct a minor informality. It is respectfully submitted that this Amendment is fully responsive to the Office Action dated March 2, 2006.

As to the Merits:

As to the merits of this case, the Examiner sets forth the following rejection:

claims 1-10 stand rejected under 35 USC 102(e) as being anticipated by Korhonen (U.S. Patent No. 6,829,726).

This rejection is respectfully traversed.

In the Office Action, the Examiner indicates that the "signal receiving unit" of the present invention corresponds to the "USB port 16" in FIG. 1 in Korhonen, but this is not correct.

The "USB port 16" in Korhonen is on the side of a PC, as shown in FIG. 1 of the present invention, but not in the electronic device (USB device) as claimed in the claim 1 of the present invention.

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It should be noted that FIG. 1 in Korhonen discloses a device for testing a USB port of a PC, but not a device corresponding to the USB device as claimed in the claim 1 of the present invention. Therefore, the correspondence relation between Korhonen and the present invention as determined by the examiner is completely wrong.

For example, "signal receiving unit" is not disclosed at all in lines 6-10, col. 5 in Korhonen, and "identification unit" is not disclosed at all in lines 11-14, col. 5 in Korhonen.

Independent Claims 1 and 9:

Independent claim 1 calls for *a signal receiving unit configured to receive signals from the shield line; and an identification unit connected to the signal receiving unit and configured to identify the received signals, wherein a self-test is performed based on results of the identification.*

Independent claim 9 calls for *a testing device for transmitting test command signals to an electronic device connected with the testing device by a serial bus including a signal line and a shield line, said testing device transmitting the test command signals to the electronic device through the shield line.*

It is respectfully submitted that Korhonen fails to disclose *a signal receiving unit configured to receive signals from a shield line*, as called for in claim 1, or *said testing device transmitting the test command signals to the electronic device through the shield line*, as called for in claim 9, since Korhonen simply fails to even mention a shield line in its entire disclosure.

Independent Claims 5 and 10:

Independent claim 5 calls for *a signal receiving unit configured to receive signals off a standard for the serial bus from the signal line; and an identification unit connected to the signal receiving unit and configured to identify the received signals, wherein a self-test is performed based on results of the identification.*

Independent claim 10 calls for *a testing device for transmitting test command signals to an electronic device connected with the testing device by a serial bus including a signal line, said testing device transmitting signals off a standard of the serial bus as said test command signals to the electronic device through the signal line.*

That is, in the present invention signals off the USB standard are generated as the test command signals. For example, as discussed on pages 16 and 17 of the present specification, such kind of signals may include signals having voltages exceeding the serial bus standard, signals different in transmission speed from the serial bus standard, and signals different in

protocol from the serial bus standard. In the USB standard, transmission speeds are specified to be 12 Mbps, 15 Mbps, and 480Mbps for the low speed and full speed of the USB 1.1, and the high speed of the USB 2.0, respectively. Further, as the minimum unit of command signals and data signals, the format of a packet is defined in the USB standard. Further, as the modulation scheme, NRZI (Non Return to Zero Inverted) is used. In the present embodiment, signals deviating from the above specifications are used as the test command signals. For example, use can be made of signals including repeated data "1" in NRZ (Non Return to Zero) having a transmission speed of a few kbps to 10 kbps, or signals of a few bits.

In contrast, Korhonen is only concerned with using test command signals which are standard for the USB specification. See, steps S7, S8 and S11-14 of the flowchart in Fig. 2 of Korhonen and the corresponding disclosure in col. 6, lines 6-51 and col. 7, line 11 – col. 9, line 18.

As such, it is respectfully submitted that Korhonen fails to disclose or fairly suggest the features of claim 5 concerning *a signal receiving unit configured to receive signals off a standard for the serial bus from the signal line; and an identification unit connected to the signal receiving unit and configured to identify the received signals, wherein a self-test is performed based on results of the identification*, and the features of claim 10 concerning *a testing device for transmitting test command signals to an electronic device connected with the testing device by a*

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serial bus including a signal line, said testing device transmitting signals off a standard of the serial bus as said test command signals to the electronic device through the signal line.

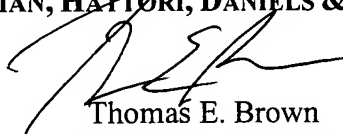
In view of the aforementioned remarks, Applicants submit that the claims are in condition for allowance. Applicants request such action at an early date.

If the Examiner believes that this application is not now in condition for allowance, the Examiner is requested to contact Applicants' undersigned attorney to arrange for an interview to expedite the disposition of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

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